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# OM protein - protein search, using sw model

Run on: March 24, 2003, 16:03:35 ; Search time 18.5864 Seconds

(without alignments)  
750.746 Million cell updates/sec

Title: US-09-988-971-2

Sequence: 1351  
1 MGSILPFRKSLPSPSLSSSV.....RESLSFYISLNDENVSLDDA 261

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*  
1: /cgn2\_6/p/odata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/p/odata/1/pubpaa/PCr\_NEW\_PUB.pep.\*  
3: /cgn2\_6/p/odata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
5: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
7: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
8: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
9: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
10: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
11: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
12: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
13: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
14: /cgn2\_6/p/odata/1/pubpaa/US07\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	830	61.4	159	10	US-09-977-269-11
2	586	43.4	113	10	US-09-977-269-11
3	485.5	35.9	276	9	US-09-977-269-11
4	452.5	33.5	96	10	US-09-977-269-11
5	374.5	27.7	512	9	US-09-977-269-11
6	374.5	27.7	512	9	US-09-977-269-11
7	364.5	27.0	505	9	US-09-977-269-11
8	364.5	27.0	505	9	US-09-977-269-11
9	356.5	26.4	505	10	US-09-977-269-11
10	348.5	25.8	499	9	US-09-977-269-11
11	348.5	25.8	499	9	US-09-977-269-11
12	344	25.5	509	10	US-09-977-269-11
13	344	25.5	509	10	US-09-977-269-11
14	326.5	24.2	454	10	US-09-977-269-11
15	322.5	23.9	537	10	US-09-977-269-11
16	322.5	23.9	537	10	US-09-977-269-11
17	319.5	23.6	311	10	US-09-977-269-11
18	319.5	23.6	387	10	US-09-977-269-11
19	319.5	23.6	537	9	US-09-977-269-11

20	319.5	23.6	537	10	US-09-977-269-11	Sequence 11, App1
21	319.5	23.6	543	9	US-09-977-269-11	Sequence 14, App1
22	319.5	23.6	543	10	US-09-977-269-11	Sequence 14, App1
23	316.5	23.4	529	9	US-09-977-269-11	Sequence 15, App1
24	316.5	23.4	529	10	US-09-977-269-11	Sequence 15, App1
25	305	22.6	536	9	US-09-977-269-11	Sequence 12, App1
26	305	22.6	536	10	US-09-977-269-11	Sequence 12, App1
27	280.5	20.8	536	9	US-09-977-269-11	Sequence 13, App1
28	280.5	20.8	536	10	US-09-977-269-11	Sequence 13, App1
29	280.5	20.8	536	9	US-09-977-269-11	Sequence 13, App1
30	233	17.2	505	9	US-09-977-269-11	Sequence 6, App1
31	233	17.2	505	10	US-09-977-269-11	Sequence 6, App1
32	233	17.2	505	10	US-09-977-269-11	Sequence 6, App1
33	199.5	14.8	162	10	US-09-977-269-11	Sequence 20, App1
34	199.5	14.8	162	10	US-09-977-269-11	Sequence 20, App1
35	186.5	13.8	357	9	US-09-977-269-11	Sequence 62, App1
36	186.5	13.8	450	9	US-09-977-269-11	Sequence 9, App1
37	186.5	13.8	450	10	US-09-977-269-11	Sequence 9, App1
38	181.5	13.4	620	9	US-09-977-269-11	Sequence 7, App1
39	181.5	13.4	620	10	US-09-977-269-11	Sequence 9, App1
40	171.5	12.7	217	10	US-09-977-269-11	Sequence 6, App1
41	170	12.6	31	10	US-09-977-269-11	Sequence 171, App1
42	156.5	11.6	197	9	US-09-977-269-11	Sequence 36076, A
43	152	11.3	659	9	US-09-977-269-11	Sequence 4, App1
44	150	11.1	659	9	US-09-977-269-11	Sequence 8, App1
45	150	11.1	659	9	US-09-977-269-11	Sequence 2, App1

## ALIGNMENTS

RESULT 1  
US-09-977-269-11  
Sequence 954, Application US/09867550  
Patent No. US20020082206A1  
GENERAL INFORMATION:  
APPLICANT: Leach, Martin D.  
APPLICANT: Mehrabian, Foad  
APPLICANT: Conley, Pamela  
APPLICANT: Law, Debbie  
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and  
FILE REFERENCE: 21402-013 (Cura-313)  
CURRENT APPLICATION NUMBER: US/09/967, 550  
PRIOR APPLICATION NUMBER: USN 60/208, 427  
PRIOR FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 2125  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 954  
LENGTH: 159  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-977-269-11

Query Match 61.4%; Score 830; DB 10; Length 159;  
Best Local Similarity 100.0%; Pred. No. 1.5e-71;  
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Query 1 MGSILPFRKSLPSPSLSSSVGGPVTWEARSKATVALGSPAGPAEILSLRLEPIL 60  
Db 1 MGSILPFRKSLPSPSLSSSVGGPVTWEARSKATVALGSPAGPAEILSLRLEPIL 60  
Query 1 IVEDEDWWTLSVSGRENTIPSVYAKVSHGLVEGSRKAEILLPFGNGAFIL 120  
Db 1 IVEDEDWWTLSVSGRENTIPSVYAKVSHGLVEGSRKAEILLPFGNGAFIL 120  
Query 121 RESQTRGYSVLSVRLSPASMDRIHRIRICLNDGML 159  
Db 121 RESQTRGYSVLSVRLSPASMDRIHRIRICLNDGML 159

## RESULT 2

US-09-867-550-1916  
Sequence 1916, Application US/09867550  
Patent No. US20020082206A1  
GENERAL INFORMATION:  
APPLICANT: Leach, Martin D.  
APPLICANT: Mehraban, Foad  
APPLICANT: Conley, Pamela  
APPLICANT: Law, Debbie  
APPLICANT: Topper, James  
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and  
TITLE OF INVENTION: Thereby  
FILE REFERENCE: 21402-013 (Cura-313)  
CURRENT APPLICATION NUMBER: US/09/867,550  
CURRENT FILING DATE: 2001-09-20  
PRIOR APPLICATION NUMBER: USSN 60/208,427  
PRIOR FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 2125  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 1916  
LENGTH: 113  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: (1)  
OTHER INFORMATION: wherein Xaa may be any one of Arg or Gly or Trp  
US-09-867-550-1916

Query Match 43.4%; Score 586; DB 10; Length 113;  
Best Local Similarity 100.0%; Pred. No. 1.5e-48;  
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 150 IHCIDNGWLYISPLTPPSLOALVDHYSELADDCCLLKEPCVLOAGPLGKDIPLPT 209

DB 2 IHCIDNGWLYISPLTPPSLOALVDHYSELADDCCLLKEPCVLOAGPLGKDIPLPT 61

QY 210 VQRTPLMKELDSLLFSEAAAGEESLSEGLRESISFYLSINDEAVSLDDA 261

DB 62 VQRTPLMKELDSLLFSEAAAGEESLSEGLRESISFYLSINDEAVSLDDA 113

## RESULT 3

US-09-870-759-64  
Sequence 64, Application US/09870759  
Patent No. US2002017551A1  
GENERAL INFORMATION:  
APPLICANT: TERMAN, David S  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
FILE REFERENCE: 870759  
CURRENT APPLICATION NUMBER: US/09/870,759  
CURRENT FILING DATE: 2002-01-14  
PRIOR APPLICATION NUMBER: US 60/208,128  
PRIOR FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 166  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 64  
LENGTH: 276  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-870-759-64

Query Match 35.9%; Score 485.5; DB 9; Length 276;  
Best Local Similarity 40.7%; Pred. No. 1.9e-38;  
Matches 103; Conservative 43; Mismatches 84; Indels 23; Gaps 4;

QY 9 KSLPSPSSSVQGGPVTMEAKSKATNAVALGSPFAGGPAELSLRLGEPPLTIVSEGDW 68

DB 6 KSTPAPA-----RPLPNEEGDSDPLAVLDVPSPDISPIFRGPKLRVISEDGCM 58

QY 69 WTLSVSGREYNISVHVAVSHGWLTYEGLSREKAEHLLLLPGNGGAFILRSQTRRG 128  
DB 59 WKALISGTGRESYIFGICVAVVHGMVFGGLGRDAEELLLOLPTKVGSGFMIRSETRKG 118

QY 129 SYSLSVRLSPASMDRIHRYHICLDNGWLYISPLTPPSLOALVDHYSELADDCCLL 188  
DB 119 FYSLSVR-----HQVGHYRIFRPLNNWYISPLTPFOCLEDLVHYSVAVDGLCVLT 172  
QY 169 EPCVLOAGPLGKDIPLPTVQRTPLMKELDSLLFSEAAAG-----EESLSEGL 241  
DB 173 TPLCTOSTAARAVRASSSPVTLRKQTVDMRRVSRLQEDPSTGNPLGVDESIFSYGL 229  
QY 242 RESLSFYLSINDE 254  
DB 230 RESIASYLSLTSE 242

## RESULT 4

US-09-867-550-952  
Sequence 952, Application US/09867550  
Patent No. US20020082206A1  
GENERAL INFORMATION:  
APPLICANT: Leach, Martin D.  
APPLICANT: Mehraban, Foad  
APPLICANT: Conley, Pamela  
APPLICANT: Law, Debbie  
APPLICANT: Topper, James  
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and  
TITLE OF INVENTION: Thereby  
FILE REFERENCE: 21402-013 (Cura-313)  
CURRENT APPLICATION NUMBER: US/09/867,550  
CURRENT FILING DATE: 2001-09-20  
PRIOR APPLICATION NUMBER: USSN 60/208,427  
PRIOR FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 2125  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 952  
LENGTH: 96  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-867-550-952

Query Match 33.5%; Score 452.5; DB 10; Length 96;  
Best Local Similarity 76.8%; Pred. No. 6e-36;  
Matches 96; Conservative 0; Mismatches 0; Indels 29; Gaps 1;

QY 1 MGSLSRRKSLPSPSSSVQGGPVTMEAKSKATNAVALGSPFAGGPAELSLRLGEPPLT 60

DB 1 MGSLSRRKSLPSPSSSVQGGPVTMEAKSKATNAVALGSPFAGGPAELSLRLGEPPLT 60

QY 61 IYSEGDWWTLSVSGREYNISVHVAVSHGWLTYEGLSREKAEHLLLLPGNGGAFIL 120

DB 61 IYSE-----WLYEGLSREKAEHLLLLPGNGGAFIL 91

QY 121 RESQT 125

DB 92 RESQT 96

## RESULT 5

US-09-977-260-16  
Sequence 16, Application US/09977260  
Patent No. US20020192790A1  
GENERAL INFORMATION:  
APPLICANT: ULIRICH, AXEL  
APPLICANT: GISHIZKY, MIRKHAEL  
APPLICANT: SURES, IRMINGARD  
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES  
FILE REFERENCE: 038602/1260  
CURRENT APPLICATION NUMBER: US/09/977,260  
CURRENT FILING DATE: 2001-10-16  
PRIOR APPLICATION NUMBER: 08/232,545  
PRIOR FILING DATE: 1994-04-22  
NUMBER OF SEQ ID NOS: 24  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 16

LENGTH: 512  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-977-260-16

Query Match  
Best Local Similarity 40.3%; Pred. No. 1.6e-27;  
Matches 81; Conservative 36; Mismatches 75; Indels 9; Gaps 3;

6 SRRKSLPSLSVGGQGPVTMEERSKATVALGSPAGPAELSLRGEPLTVSESD 65  
38 SNKQRPVPE-SQLLPQGFQTKDEEGDIYVALPYDGIHPDLFFKKGEMKVLSEH 96  
66 GDMWTVLSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLLPGNPGCAFILR 121  
97 GEMWKAISLITKKEGFIPISNYAKLNTLETBEMFFKDIIRKDAERQLAPGNAGAFILR 156  
122 ESQTRRSYSLSVRLSRPASMDRIHRYRIHCLDNGMLYISPLTFPSLQALVDHYSELD 181  
157 ESETLKGSFSLVRODPVHGVDVLRKHIRSLDNGSYISPLTFPCISDMIRHYQKQAD 216  
182 DICCLKEPCVLQAGPLPGK 202  
217 GLCRRLEKACI-----SPKPK 233

RESULT 6  
US-09-977-269-16  
Sequence 16, Application US/09977269  
Patent No. US20020082037A1  
GENERAL INFORMATION:  
APPLICANT: ULRICH, AXEL  
APPLICANT: GISHIZKY, MIKHAIL  
APPLICANT: SURES, IRMINGARD  
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES  
FILE REFERENCE: 038602/1260  
CURRENT APPLICATION NUMBER: US/09/977,269  
CURRENT FILING DATE: 2001-10-16  
PRIOR APPLICATION NUMBER: 08/232,545  
PRIOR FILING DATE: 1994-04-22  
NUMBER OF SEQ ID NOS: 24  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 16  
LENGTH: 512  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-977-269-16

Query Match  
Best Local Similarity 40.3%; Pred. No. 1.6e-27;  
Matches 81; Conservative 36; Mismatches 75; Indels 9; Gaps 3;

6 SRRKSLPSLSVGGQGPVTMEERSKATVALGSPAGPAELSLRGEPLTVSESD 65  
38 SNKQRPVPE-SQLLPQGFQTKDEEGDIYVALPYDGIHPDLFFKKGEMKVLSEH 96  
66 GDMWTVLSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLLPGNPGCAFILR 121  
97 GEMWKAISLITKKEGFIPISNYAKLNTLETBEMFFKDIIRKDAERQLAPGNAGAFILR 156  
122 ESQTRRSYSLSVRLSRPASMDRIHRYRIHCLDNGMLYISPLTFPSLQALVDHYSELD 181  
157 ESETLKGSFSLVRODPVHGVDVLRKHIRSLDNGSYISPLTFPCISDMIRHYQKQAD 216  
182 DICCLKEPCVLQAGPLPGK 202  
217 GLCRRLEKACI-----SPKPK 233

RESULT 7  
US-09-977-260-17  
Sequence 17, Application US/09977260  
Publication No. US20020192790A1

GENERAL INFORMATION:  
APPLICANT: ULRICH, AXEL  
APPLICANT: GISHIZKY, MIKHAIL  
APPLICANT: SURES, IRMINGARD  
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES  
FILE REFERENCE: 038602/1260  
CURRENT APPLICATION NUMBER: US/09/977,260  
CURRENT FILING DATE: 2001-10-16  
PRIOR APPLICATION NUMBER: 08/232,545  
PRIOR FILING DATE: 1994-04-22  
NUMBER OF SEQ ID NOS: 24  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 17  
LENGTH: 505  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-977-260-17

Query Match  
Best Local Similarity 42.2%; Pred. No. 1.4e-26;  
Matches 78; Conservative 31; Mismatches 69; Indels 7; Gaps 2;

12 PPSLSVGGQGPVTMEERSKATVALGSPAGPAELSLRGEPLTVSESDGDMWTV 71  
40 GPNSHNS--NTPGIRAGSEDIYVALYDYEALIHEDLSFGKQGVVLESEGMWKA 96  
72 LSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLLPGNPGCAFILRSQTR 127  
97 RSLATRKGYIPISNYAVRDSLETBEMFFKGISRDAERQLAPGNMGLSFIRSETTK 156  
128 GSYLSVRLSRPASMDRIHRYRIHCLDNGMLYISPLTFPSLQALVDHYSELDICCL 187  
157 GSYLSVRODPVHGVDVLRKHIRSLDNGGFISRSFSTLQELVDVHKKNDGLCKL 216  
188 KEPCV 192  
217 SVPKM 221

RESULT 8  
US-09-977-269-17  
Sequence 17, Application US/09977269  
Patent No. US20020082037A1  
GENERAL INFORMATION:  
APPLICANT: ULRICH, AXEL  
APPLICANT: GISHIZKY, MIKHAIL  
APPLICANT: SURES, IRMINGARD  
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES  
FILE REFERENCE: 038602/1260  
CURRENT APPLICATION NUMBER: US/09/977,269  
CURRENT FILING DATE: 2001-10-16  
PRIOR APPLICATION NUMBER: 08/232,545  
PRIOR FILING DATE: 1994-04-22  
NUMBER OF SEQ ID NOS: 24  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 17  
LENGTH: 505  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-977-269-17

Query Match  
Best Local Similarity 42.2%; Pred. No. 1.4e-26;  
Matches 78; Conservative 31; Mismatches 69; Indels 7; Gaps 2;

12 PPSLSVGGQGPVTMEERSKATVALGSPAGPAELSLRGEPLTVSESDGDMWTV 71  
40 GPNSHNS--NTPGIRAGSEDIYVALYDYEALIHEDLSFGKQGVVLESEGMWKA 96  
72 LSEVSGREYNIPSVHAKV---SHGWLVEGLSREKAEELLLPGNPGCAFILRSQTR 127  
97 RSLATRKGYIPISNYAVRDSLETBEMFFKGISRDAERQLAPGNMGLSFIRSETTK 156



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; CURRENT APPLICATION NUMBER: US/09/977,260
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 509
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-977-260-18

Query Match
Best Local Similarity 41.1%; Score 344; DB 9; Length 509;
Matches 74; Conservative 26; Mismatches 70; Indels 10; Gaps 2;

26 VTMEERSKAT-----AVAGSPAGPAELSLRLGEPLTIVSEDDMWTVLSEVSGRE 79
49 VTYESNPASPLQDNLVIALHSTYEPHSHDGLFEGEKGEOLRLBQSGEMWKAQSLTTQOE 108
80 YNIPSVHVAIVS---HGMLYEGLSREKAEELLPLPGNPGAFILRESQTRGYSLSVLR 135
109 GFIFENFVAKANSLBEPWFKNLSRKDAERQLAPAGNTHGSFLIRSESTAGSFSLSVR 168
136 LSRPASMDRIRHYRIHCLDNGMLYISPLTPELSQALVDHSELAADDICCLKEPCVQOR 195
169 DFDONGEVVYKHKIRNLNDNGCFYISPRITFPGLHELVRHHTNMSDGLCTRLSRPCQYOK 228

RESULT 13
US-09-977-269-18
; Sequence 18, Application US/0977269
; Patent No. US20020082037A1
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, AXEL
; APPLICANT: GISHITZKY, MIKHAEL
; APPLICANT: SORES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977,269
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 509
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-977-269-18

Query Match
Best Local Similarity 25.5%; Score 344; DB 10; Length 509;
Matches 74; Conservative 26; Mismatches 70; Indels 10; Gaps 2;

26 VTMEERSKAT-----AVAGSPAGPAELSLRLGEPLTIVSEDDMWTVLSEVSGRE 79
49 VTYESNPASPLQDNLVIALHSTYEPHSHDGLFEGEKGEOLRLBQSGEMWKAQSLTTQOE 108
80 YNIPSVHVAIVS---HGMLYEGLSREKAEELLPLPGNPGAFILRESQTRGYSLSVLR 135
109 GFIFENFVAKANSLBEPWFKNLSRKDAERQLAPAGNTHGSFLIRSESTAGSFSLSVR 168
136 LSRPASMDRIRHYRIHCLDNGMLYISPLTPELSQALVDHSELAADDICCLKEPCVQOR 195
169 DFDONGEVVYKHKIRNLNDNGCFYISPRITFPGLHELVRHHTNMSDGLCTRLSRPCQYOK 228

RESULT 14
US-09-771-161A-95
; Sequence 95, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:

```

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; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 95
; LENGTH: 454
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-771-161A-95

Query Match
Best Local Similarity 24.2%; Score 326.5; DB 10; Length 454;
Matches 70; Conservative 22; Mismatches 60; Indels 5; Gaps 2;

25 PTMEERSKATAVAGSPAGPAELSLRLGEPLTIVSEDDMWTVLSEVSGREYNIPS 84
51 PPDEHLEDKHFVVALYDYTRAMDRLQMLKGEKLOVKTGDMWLARSILYTGREGYVPS 110
85 VHVAVS---HGMLYEGLSREKAEELLPLPGNPGAFILRESQTRGYSLSVLRSPA 140
111 NFVARVESLEMERWFFRSGRKEAERQLAPINKAGSFLIRSESTAGSFSLSVK-DVTT 169
141 SMDRIRHYRIHCLDNGMLYISPLTPELSQALVDHYS 177
170 QGELIRHYRIHCLDNGMLYISPLTPELSQALVDHYS 206

RESULT 15
US-09-771-161A-212
; Sequence 212, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 212
; LENGTH: 537
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-771-161A-212

Query Match
Best Local Similarity 23.9%; Score 322.5; DB 10; Length 537;
Matches 79; Conservative 23; Mismatches 80; Indels 19; Gaps 3;

10 SLSPSLSSVQGGCPVTMEERSKATA-----VAGSPAGPAELSLRL 55
46 SIPNNFPAAGGGGLTVFCGVNSSSHGTARTGAGTGLTFVALYDEARTEDDLSFHK 105
56 GEPLTIV-SEDDMWTVLSEVSGREYNIPSVHVAIVS---HGMLYEGLSREKAEELL 110
106 GEKFOIINSEGDWWEARSLTTGECYIPSVYVAVPVDSIQABEWFGKLGKDAERQLLS 165
111 PGNPGAFILRESQTRGYSLSVLRSPAEMDRIRHYRIHCLDNGMLYISPLTPELSQ 170

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us-09-988-971-2.rapb

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Db 166 FGNPRGTFLIRESETTKGYSLSIRDMDMKGDHVKHKIRKLDNGGYITTRAPFETLQ 225  
Qy 171 ALVDHYSFLADDICCLXKERC 191  
Db 226 QLVQHSERAAAGLCCRLVVP 246

Search completed: March 24, 2003, 16:06:07  
Job time : 21.5864 secs